

# MITSUBISHI ELECTRIC

## MITSUBISHI

MODEL

# MJ-E20TX-H

## INSTRUCTION MANUAL

English

E

### Features

- Internal drying mode
- Washable photocatalytic filter
- Easy Dehumidifying · Laundry



### Table of Contents

page

● Getting the most out of your dehumidifier.....	2	Before using the unit
● Precautions.....	4	
● Warning .....	6	
● Names and functions of parts .....	7	
● Things to be aware of.....	10	
● Before using your dehumidifier.....	11	
● Carrying the unit .....	11	
<hr/>		
● Turning the Unit ON and OFF .....	12	Operating
Turning the unit on/off		
● Easy operation .....	13	
Easy Dehumidifying - Laundry		
● Setting modes .....	14	
High - Low - Mildew Guard - Low Temp - Auto - Air purifier		
● Swing louvre function .....	16	
● To dry the inside .....	17	
● Using the Timer .....	18	
OFF Timer operation/ON Timer operation		
● Using the Child lock .....	20	
● Removing water from the tank .....	20	
● Continuous drainage .....	21	
<hr/>		
● Maintenance .....	22	Troubleshooting
● Replacing the photocatalytic filter .....	23	
● Storage .....	23	
● Troubleshooting .....	24	
● Specifications.....	26	

- In order to ensure correct usage, please read this instruction manual carefully and retain it for future reference.
- Before accepting the Warranty at the time of purchase, please make sure that the date of purchase, place of purchase and other items are correctly filled in the form.

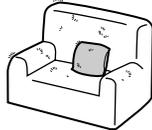
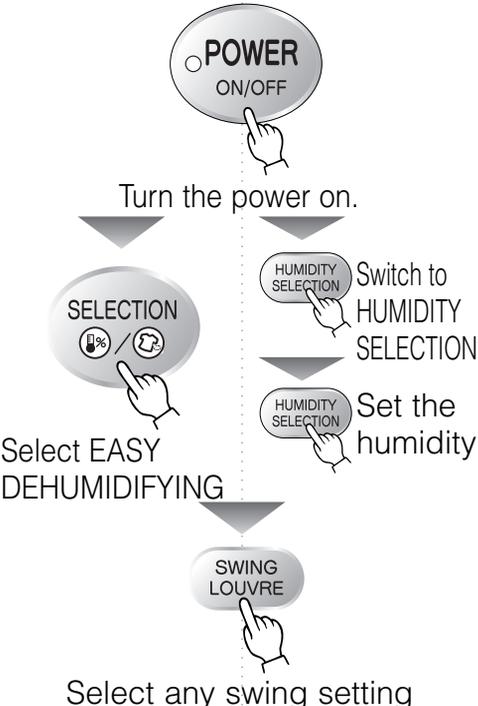
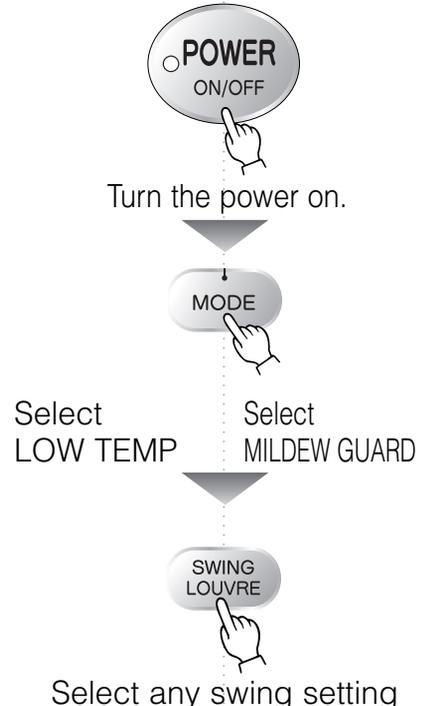


Protect our environment and enrich our lives by saving energy

# Getting the most out of your dehumidifier

Combine operating mode and swing louvre function to get optimum results.

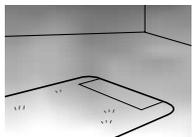
## Recommended ways of using the unit depending on

Objective	Drying laundry	Lowering room humidity		Preventing mold	
	<p>When you don't want to hang the clothes outside or it is raining...</p> 	<p>When you don't know what humidity level to set the unit to...</p>  <p>What should I set it to?</p>	<p>When you want to set the humidity level...</p>  <p>I want to set it to 60%</p>	<p>When condensation occurs indoors...</p> 	<p>To prevent mildew...</p> 
Recommended operating mode	<p><b>LAUNDRY</b></p> <p>The unit operates until the clothes are dry.</p>	<p><b>EASY DEHUMIDIFYING</b></p> <p>The unit operates until the air is comfortable.</p>	<p><b>AUTO</b></p> <p>The unit maintains the set humidity.</p>	<p><b>LOW TEMP</b></p> <p>The unit changes the airflow according to room temperature.</p>	<p><b>MILDEW GUARD</b></p> <p>The unit operates in mildew suppression mode.</p>
Recommended swing setting	<p><b>Up</b></p> <p>Aim toward clothes.</p>	<p>Any swing setting</p>		<p>Any swing setting</p>	
<p><b>Procedure</b></p> <p>Press the power button (the unit turns on) Page 12</p> <p>Select the mode Page 13-15</p> <p>Select the louvre swing range Page 16</p>					

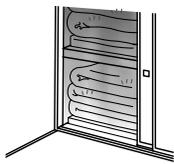
## Primary purpose

### Drying/condensation

For drying the bed or carpet



To keep the inside of closets and shoeboxes dry...



### To clean the air

There is no need for dehumidification, but you wish to remove pollen and dust from the air.

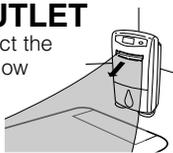


### HIGH

The unit operates continuously with the airflow on "HIGH."

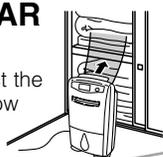
### LOW AIR OUTLET

Direct the air flow



### REAR

Direct the air flow



### AIR PURIFIER

The unit operates the air purifier only.

Any swing setting

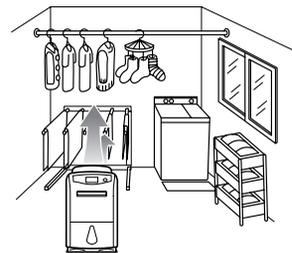
## Operating tips

Drain the water tank before use

Refrain from opening doors/windows during operation

Drying laundry indoors

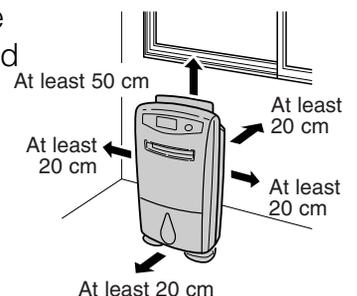
- Use the dehumidifier in a small, enclosed room.
- Direct the louvre at the laundry.
- Space laundry to improve airflow
- **Maintain room temperature above 16°C with an air conditioner**



- In low temperatures, drying takes about twice as long as normal. (Drying times will vary depending on the nature of the laundry and the room temperature.)
- The airflow is strongest to the top right of the unit.

## Installing your dehumidifier

Make sure to leave some space around the unit.

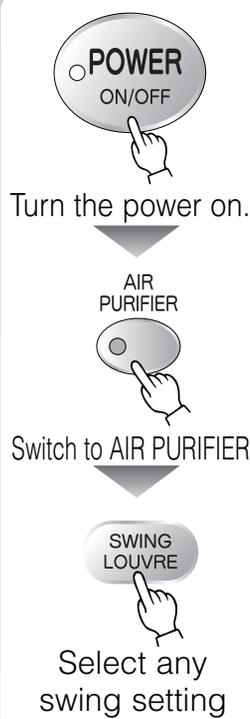
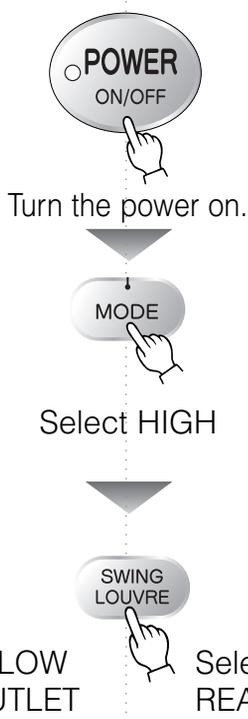


## Operating noise

Place the unit on top of a mat. This reduces vibration and noise. It also prevents leaving depressions on flooring carpets.

E

Before using the unit



# Precautions

The following diagrams indicate circumstances where danger can result from mishandling the unit.

Meanings of the graphic symbols used in this manual and on the unit are explained below.



**WARNING**

Mishandling may result in fatal or serious injuries.



**CAUTION**

Mishandling may result in injuries or damage to your home or property, etc.



Forbidden



Do not disassemble



Always follow the instructions



Keep away from fire



Do not subject to water



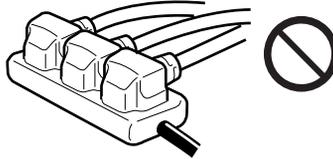
**WARNING**

**Do not start/stop the unit by plugging/unplugging the power cord.**



This may result in **fire and/or electric shock**.

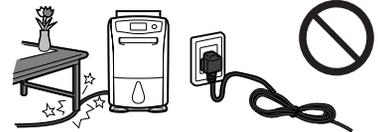
**Do not use extension cords or multiple head adapters.**



This may result in **fire, electric shock or malfunctions**.

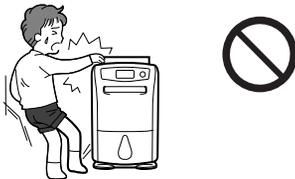
**Do not damage or modify the power cord or plug.**

Do not modify, bundle, twist, bend or heat the power cord. Do not place under objects or use with the end close to the plug bent.



The cord may be damaged resulting in **fire or electric shock**. (Keep pets from biting the cord.)

**Do not put your fingers or any long object, into the air intake/outlet. Do not touch the swing louvre.**



The internal fan rotates at high speeds, and such actions may result in **injury or malfunctions**.

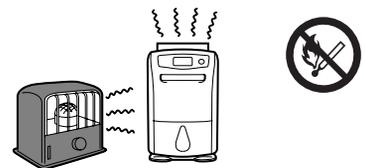
**Do not attempt to repair, disassemble, or modify the unit.**



This may result in **fire and/or electric shock**.

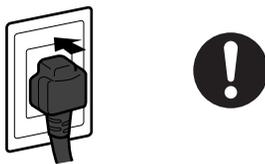
Refer servicing to your dealer or Ryoden Merchandising Co., Ltd. Service Centre.

**Do not put the unit near heat-generating devices (such as stoves, fan heaters, etc.).**



The plastic parts may melt **causing fire**.

**Wipe dust off the power plug and insert the plug firmly.**



If the plug is not fully inserted into the socket, dust may gather on the connectors which may cause **fire and/or electric shock**.

**Use 220-240V AC power sockets that can withstand more than 15A current.**

Connecting to power sockets other than 220-240V AC may result in **fire and/or electric shock**.



**Remove water that has collected in the tank.**

Accidentally drinking the water or using it for other purposes may cause **illness and/or unforeseen accidents**.



**Should abnormal symptoms occur (a burning smell, etc.), switch off the unit and unplug it from the socket.**



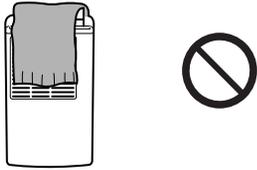
Continuing to operate the unit may result in **fire, electric shock, or malfunctions**. Contact your dealer or Ryoden Merchandising Co., Ltd. Service Centre for consultation.

# Precautions



## CAUTION

Do not cover the side air intakes or the air outlet with cloth, curtain, etc.



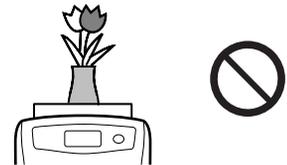
This results in poor ventilation and may cause **heat generation/fire**.

Do not stand, sit, or lean against the unit. Do not pull the unit by the air outlet.



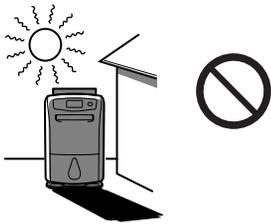
As the unit is on wheels, it may move, tip over, or fall causing **personal injury**.

Do not put vases or any other objects filled with water on the unit.



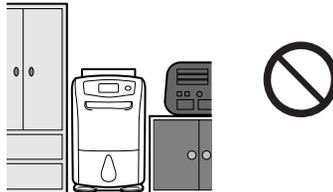
Water may leak into the unit adversely affecting electric insulation and cause **electric shock and/or fire by short-circuiting**.

Do not use the unit where it may be exposed to direct sunlight or other weather conditions. (This unit is for indoor use only.)



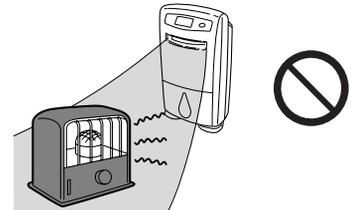
This may cause **overheating, electric shock and/or fire caused by an electric leak**.

Do not use the unit in narrow, enclosed places such as inside closets, between pieces of furniture, etc.



This results in poor ventilation and may cause **heat generation and/or fire**.

Do not use combustion appliances in the path of the air outlet.



This may cause **incomplete combustion** in the appliance.

Do not use the unit in places where chemicals are used (such as hospitals, factories, laboratories or beauty salons).



Chemicals and solvents evaporated in the air may harm the unit and cause water in the tank to leak, **resulting in damage to property**.

Do not use the unit for special purposes, such as preservation of food, art or scientific works.



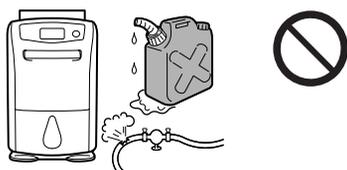
This may negatively affect **the quality of the items stored**.

Do not drain water continuously if there is a possibility that temperature around the hose could drop to freezing point.



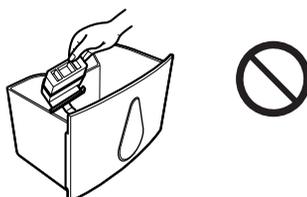
Water inside the hose may freeze and prevent the water in the tank from flowing out. The water may leak from the unit and **damage surrounding objects**.

Do not use the unit in places that may be subject to oil or flammable gas leakage.



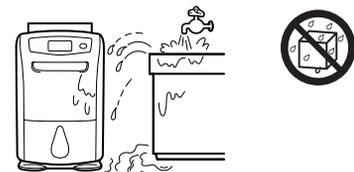
Such a leak around the unit may cause **combustion and fire**.

Do not remove the Styrofoam from the floating element.



The floating element will not be able to detect a full tank resulting in water leakage, which may **damage surrounding objects or cause electric shock and/or an electric leak**.

Do not wash the unit with water. Do not use the unit where it is likely to come in contact with water.



Exposure to water may result in **fire or electric shock caused by an electric leak**.

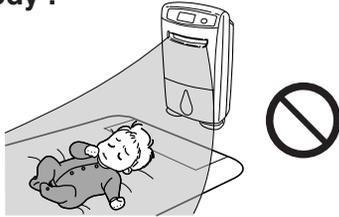
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Before using the unit

# Precautions (continued)

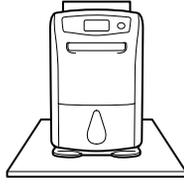
## CAUTION

Do not point air-flow from the unit directly at the body .



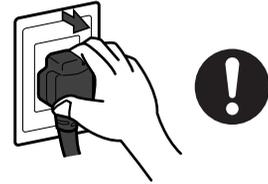
If air-flow is directed at the body for long periods, it may **harm one's physical condition** and lead to dehydration.

Install the unit in a location where the floor is flat and stable.



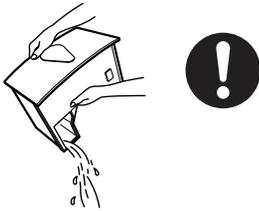
If the unit falls over, the water collected in the water tank may leak damaging surrounding objects and in turn result in **fire or electric shock caused by an electrical leak**.

Grasp the plug and remove from the power socket.



When removing the plug from the power socket, do not pull on it diagonally or by the cord as this may cause the projections/wiring to be damaged resulting in a **short circuit, electric shock or fire**.

Before moving the unit always switch it off, unplug it and remove water from the water tank.



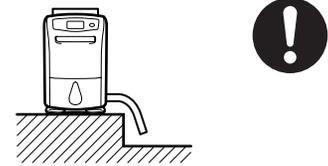
Moving the unit with water in its tank may cause the water to leak and damage the surrounding objects and in turn result in **electric shock and/or an electric leak**.

After emptying the tank, transport the unit by grasping the handle firmly.



Losing your footing while carrying the unit may cause **personal injury or damage to the floor**.

When using the continuous drainage outlet, make sure to position the hose so that the water drains without obstruction.



The water in the tank may leak and damage **surrounding objects**.

When draining water continuously or left unattended for long periods, inspect the unit every two weeks.

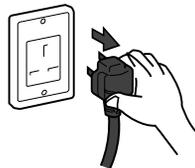
Do not allow debris to clog the filter/hose as this may cause **over-heating/leakage**.



Use the unit with caution in rooms where the walls, furniture and art work is vulnerable to dry air, as it may cause cracks and warping.



Switch the unit off and unplug from the power source when cleaning it.



When the unit is on, the internal fan rotates at high speeds and may cause injury.

Unplug the unit from the power source when not using the unit for an extended period of time.



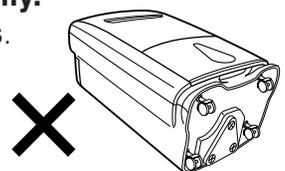
Otherwise it may cause **fire and/or electric shock caused by an electric leak**.

## Warning

- **Keep the unit always in an upright position.**

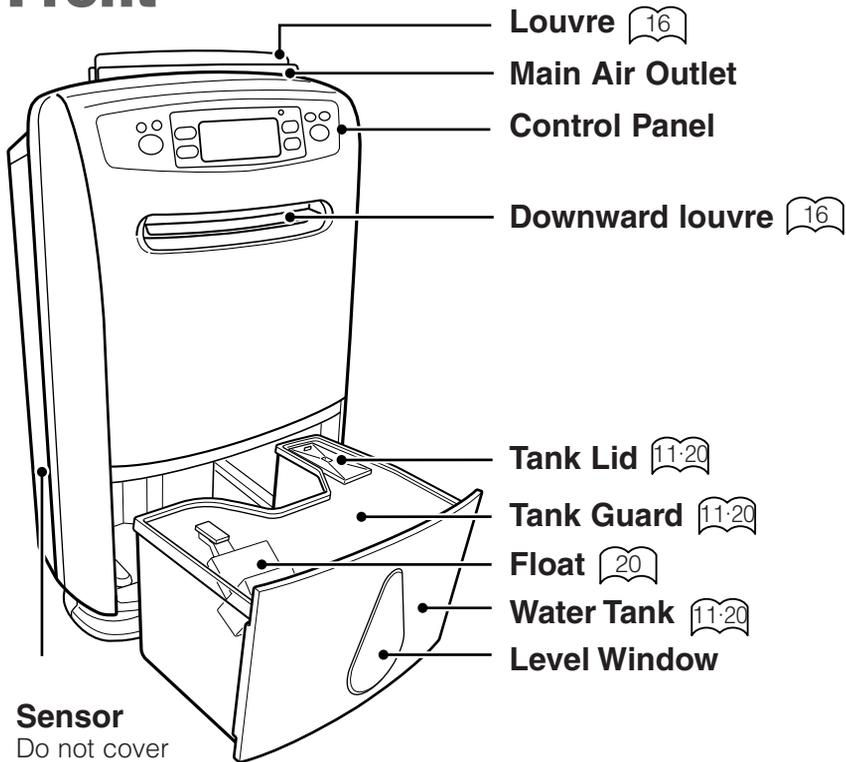
Inclining the unit may cause water in the tank to leak into the unit, **resulting in malfunction**. Should you incline the unit accidentally, contact the place of purchase for advice.

- **Do not carry the unit horizontally.** This may **result in malfunctions**.



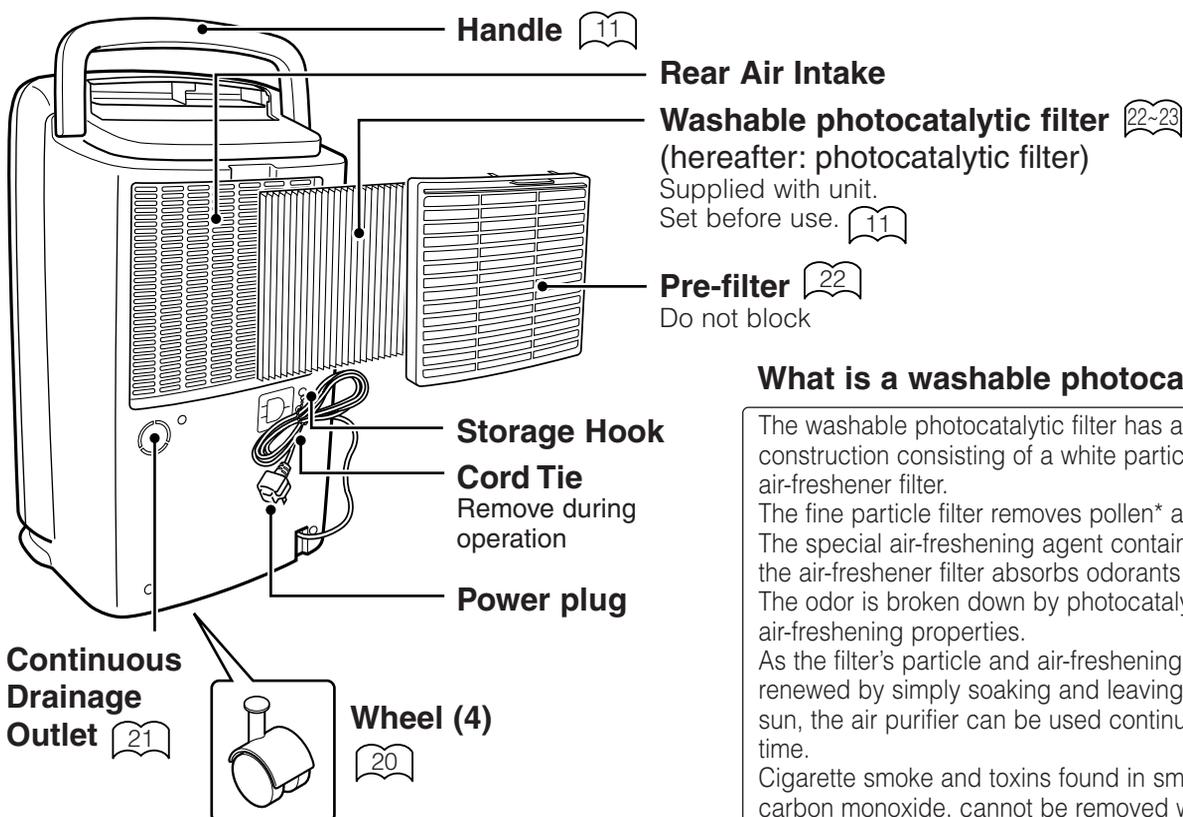
# Names and Functions of Parts

## Front



The water tank may contain water residue at time of purchase. This is from final product testing at the factory and is not due to a defect.

## Back



### What is a washable photocatalytic filter?

The washable photocatalytic filter has a two-layer construction consisting of a white particle filter and a blue air-freshener filter.

The fine particle filter removes pollen\* and dust particles. The special air-freshening agent contained in the fibres of the air-freshener filter absorbs odorants such as ammonia. The odor is broken down by photocatalysis renewing the air-freshening properties.

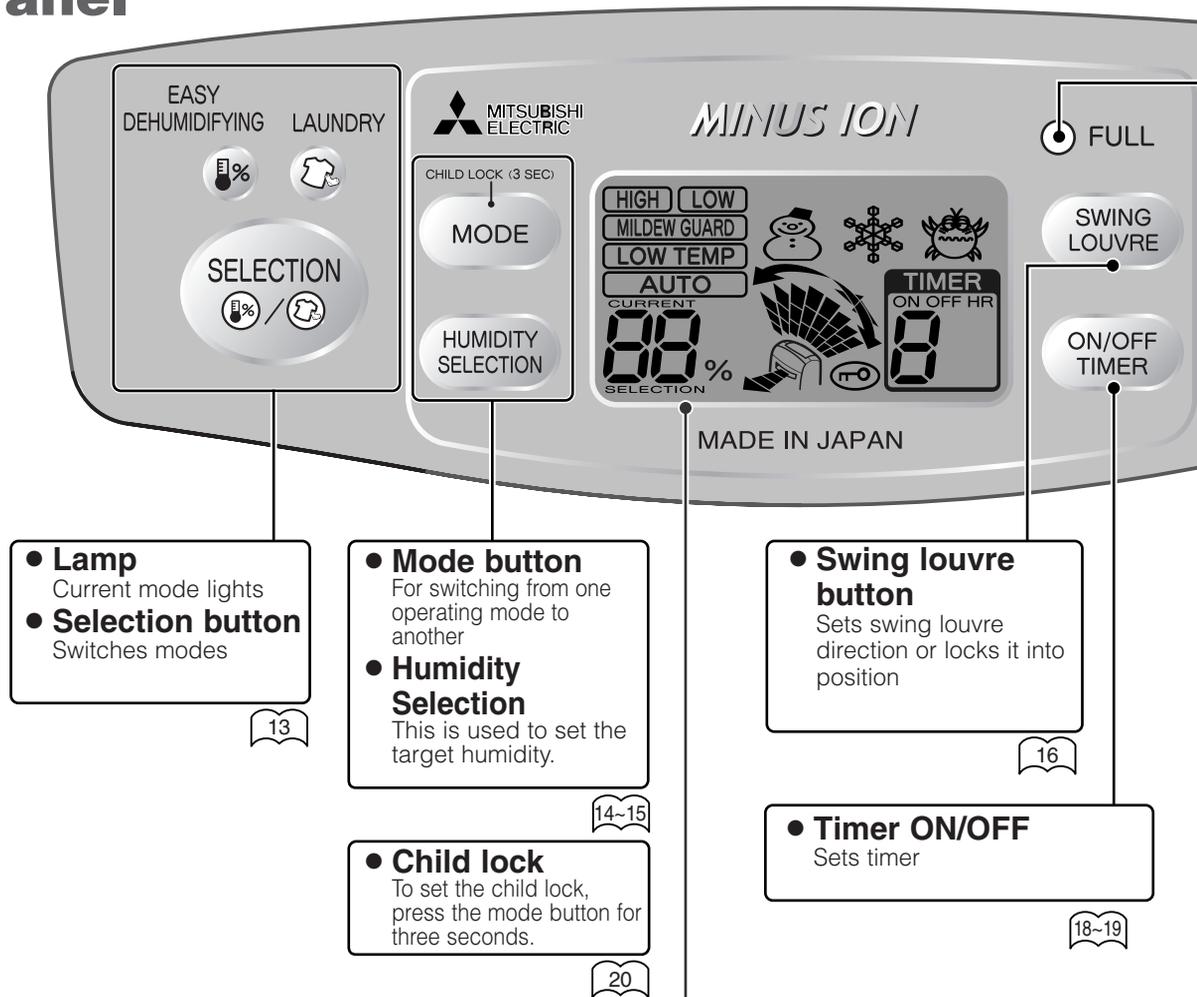
As the filter's particle and air-freshening properties are renewed by simply soaking and leaving it to dry in the sun, the air purifier can be used continuously over a long time.

Cigarette smoke and toxins found in smoke, such as carbon monoxide, cannot be removed with this filter.

\* Diameter of pollen: approx. 10-100µm

# Names and Functions of Parts (cont.)

## Control Panel



- **Lamp**  
Current mode lights
- **Selection button**  
Switches modes

13

- **Mode button**  
For switching from one operating mode to another
- **Humidity Selection**  
This is used to set the target humidity.

14~15

- **Child lock**  
To set the child lock, press the mode button for three seconds.

20

- **Swing louvre button**  
Sets swing louvre direction or locks it into position

16

- **Timer ON/OFF**  
Sets timer

18~19

## LCD Panel

All indicators on the LCD panel shown below.

- **Mode Indicator**  
Indicates the current operating mode.

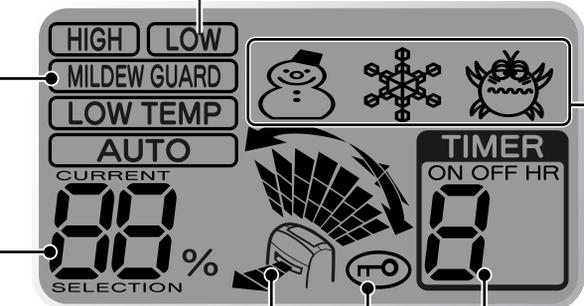
14~15

- **Humidity Indicator**  
This indicates the approximate humidity.  

<b>CURRENT</b>	indicates the current humidity
<b>SELECTION</b>	indicates the humidity setting in AUTO mode

The current humidity is displayed in a range from 30 to 80%.

12



- **Swing monitor**  
Indicates the direction of the swing louvre.

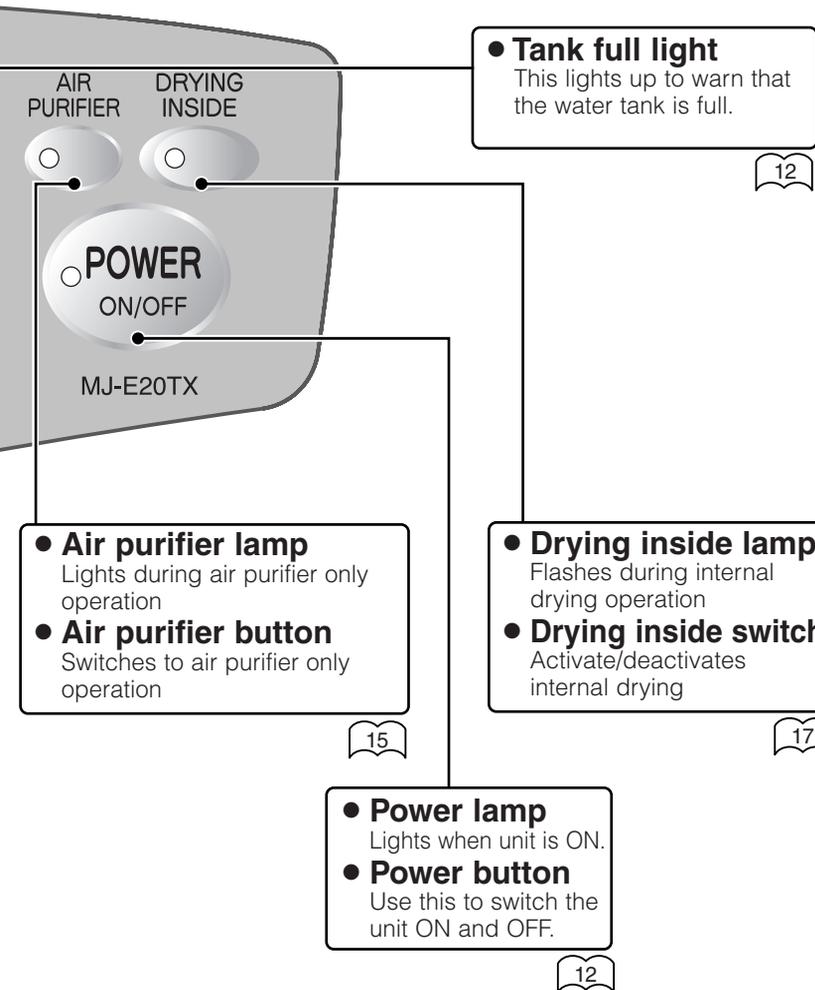
16

- **Timer display**  
Displays the time set for the ON/OFF timer.

18~19

- **Child lock indicator**  
Displayed while child lock is active

16



### You can select from 8 operating modes

- **EASY DEHUMIDIFYING**
  - **LAUNDRY**
  - **HIGH**
  - **LOW**
  - **MILDEW GUARD**
  - **LOW TEMP**
  - **AUTO**
  - **AIR PURIFIER**
- All modes include dehumidifier and air purifier functions.
- Air purifier only operation. The dehumidifier function is disabled.

- **Information display**  
Indicates room and unit condition



### Low Temperature Indicator

The  indicator comes on if the room temperature drops below 15°C. Activating Low Temp mode is recommended. 14



### DEFROST Indicator

Airflow (dehumidifying) will stop and the frost that has accumulated inside will be melted and dropped into the tank when the  indicator is on. Please wait a moment as operation will resume in around 5 minutes.

**While in DEFROST mode, airflow (dehumidifying) and the louvre will stop. The sounds coming from the unit will also change.**

DEFROST will start automatically when room temperature drops below 15°C (This may be as often as once every 40 minutes).



### High humidity warning

The  indicator flashes when the humidity in the room exceeds 75%. Activating the dehumidifier is recommended when the  indicator is flashing.

If the High humidity warning is not used, remove the power plug from the power socket.

# Things to be aware of

## Room temperature may rise 2-4°C during operation

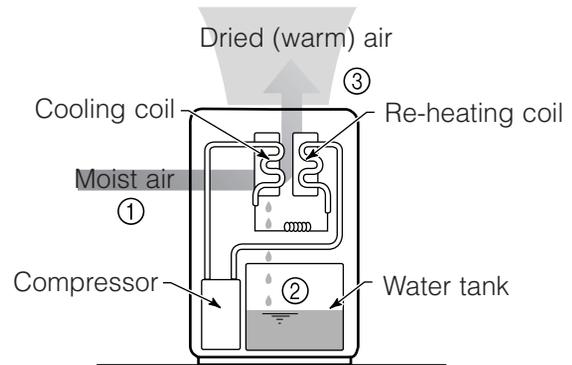
The dehumidifier does not have a cooler function. Due to heat produced during operation, the room temperature may rise 2-4°C. As a result, the unit may blow warm air, but this is not due to a malfunction.

### How does the dehumidifier work?

If you pour cold water into a cup, the air around it becomes cold, causing water droplets to form on the surface of the cup.

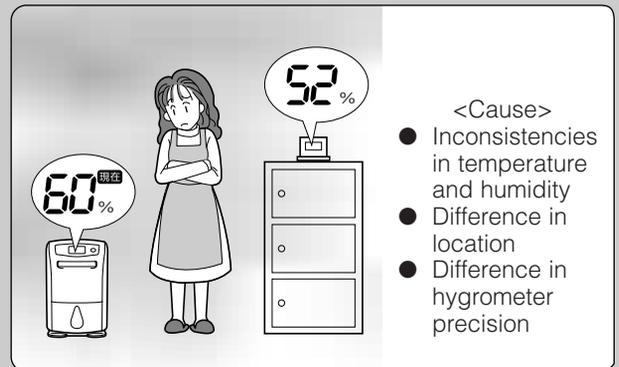
The dehumidifier takes advantage of this phenomenon to remove moisture from the air.

- ① The unit draws air from the room, cools it with its cooling coil, causing the moisture to transform into water droplets.
- ② The water droplets fall into the water tank.
- ③ **The dehumidified air is reheated by the heating coil, and then discharged.**  
The humidity of the room is thus reduced by repeating steps ①, ②, and ③.



## The humidity reading on the unit may differ from a hygrometer in the same room

Even in the same room, temperature and humidity levels may differ from place to place. If the hygrometer and the unit are in different parts of the room, the humidity levels are prone to differ. Moreover, humidity levels differ between places that have good and no airflow. Use the reading on the unit as an estimate.

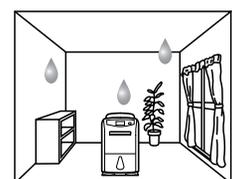
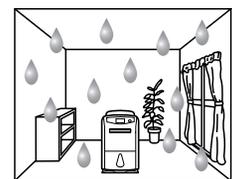
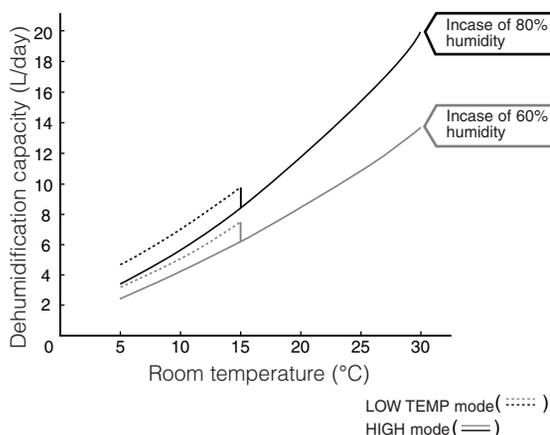


## Low temperature/humidity decreases dehumidifying effects

In winter, the temperature is low and the air is dry, therefore making dehumidifying impossible.

\* If temperatures are low, but humidity is high due to snow or rain, operating the unit in LOW TEMP mode will yield better results than LOW mode.

Values obtained when the unit was operated on "high" in a humidity of 60%.



- The dehumidification values shown on the graph were measured at constant temperature and humidity and do not reflect actual usage conditions.

# Before using your dehumidifier

## Setting the photocatalytic filter

The photocatalytic filter is supplied with the unit at time of purchase. Set before using the unit.

**1 Remove the photocatalytic filter from the polyethylene bag.**

**2 Detach the pre-filter**

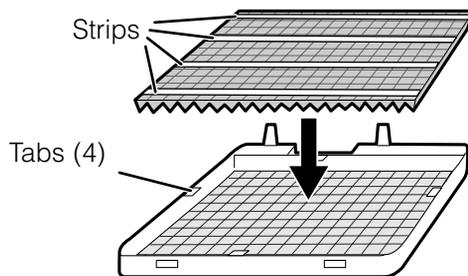
Pull forward to remove



Even if the metal fins are slightly bent, there is no adverse effect to performance.

**3 Set the photocatalytic filter in the pre-filter.**

With the strips facing up, set the photocatalytic filter inside the tabs on the pre-filter.

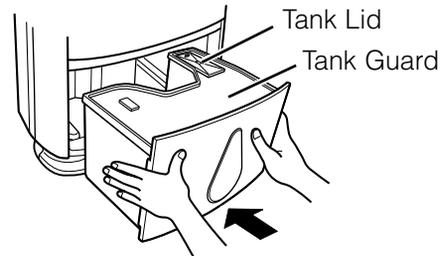


**4 Set the pre-filter.**

Insert the bottom tabs into the unit until they click.

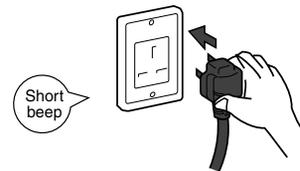


## Inserting the water tank correctly



Check that the lid and guard are secure. Slide the tank in with both hands.

## Plug the power cord into the power socket



Short beep

Use a 220-240V AC power socket only.

• **The current humidity level is indicated.**

If the louvre is open, it closes automatically.

## Raise handle to transport

**The unit can be transported using the wheels on the bottom.**

Check that the water tank is empty and the louvre is shut before transporting.

- Sometimes the wheels are pointing in an awkward direction making movement difficult.
- Do not forcibly move the unit as this may cause it to tip over.



### Information

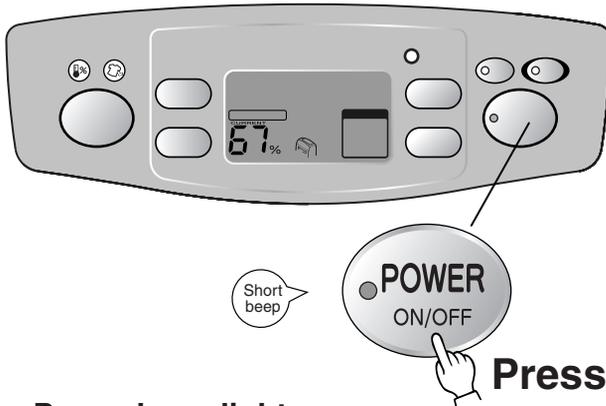
- **Do not carry the unit on its side.** This will cause it to malfunction.
- Use the wheels on a hard flat surface.
- Lift over doorsills and steps. Refrain from using the wheels on thick-piled carpet, as this may damage the carpet.
- Do not get the power cord caught in the wheels, as this may damage the cord.

E

Before using the unit

# Turning the Unit ON and OFF

## To turn ON



- Power lamp lights
- The mode is displayed.
- The louvre opens automatically.

To start dehumidifying, select either one-touch operation or mode. 

The dehumidifier does not activate for 3 minutes when the unit is turned ON immediately after turning it OFF or plugging it into the power socket. (In order to protect the compressor.) When dehumidifying begins, the operational noise increases.

The unit remembers the operating mode. Even if the plug is disconnected or the power turned off, the unit restarts at the previous setting.

## To turn OFF



- Power lamp turns off.
- The Mode Indicator goes out.

The internal drying mode starts if set. 

### Information

● If the room temperature falls below 15°C, defrosting mode is activated once every 40 minutes (for about 5 minutes) causing water to drain to the tank. 

● The unit can operate in a room temperature range of 1-35°C. However, if the room temperature exceeds 35°C, the unit may operate in blower mode or increase the airflow. This is because the temperature within the unit rises causing the protection mechanism to operate. In order to lower the temperature within the unit, when using the louvre, point UP.

- If the temperature is below 1°C, the extracted water is close to freezing disabling the dehumidifier, and only the blower is operational.

## Reading the humidity display

Example



CURRENT indicates the current humidity. Current humidity range is between 30-80%.

- Humidity levels below 30% are displayed as 30%.
- Humidity levels above 80% are displayed as 80%.

Example



SELECTION indicates set humidity level (Automatic mode only). 

## FULL Tank full lamp

The unit automatically shuts down and indicates with the lamp and sound that the water tank is full. Empty the water tank. 

- Tank full lamp  lights
- The unit beeps continuously.
- Air flows stops (louvre stops)
- Monitor turns off

- After removing the water and replacing the tank, the Tank full lamp will go off, and the unit will automatically return to operation mode.
- When the Tank Full lamp is lit, no operation but ON/OFF is possible.

## Minus ions

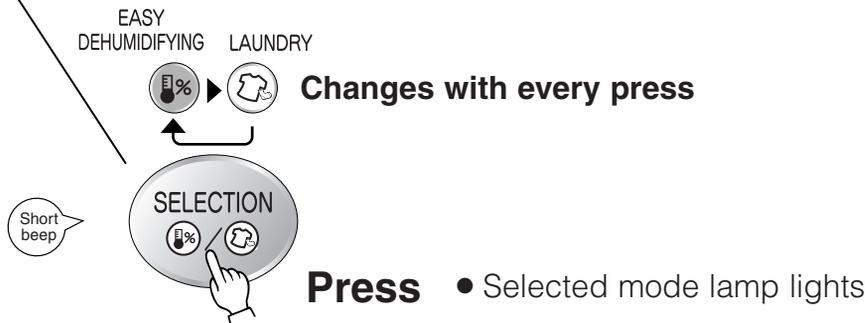
Minus ions are produced when the air flow (dehumidifier/air purifier) is on. This function cannot be deactivated.

### What are minus ions?

Minus ions are particles in the air that possess a negative charge. When there are a lot of minus ions in the air, it is similar to the environment encountered in a forest and is said to provide relaxation.

# Easy operation

The unit automatically monitors room temperature/humidity alleviating the necessity to make minor adjustments. Use EASY DEHUMIDIFYING for dehumidifying a room and LAUNDRY for drying clothes.

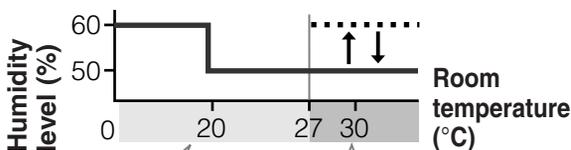


## ● EASY DEHUMIDIFYING

The unit operates intermittently controlling the airflow to remove the damp feeling in the air. (There is no need to set the humidity level)

When the room temperature is high, the blower operates to decrease the damp feeling.

The airflow or louvre operation may stop according to the humidity level.



Room temperature is below 27°C - the unit automatically sets the humidity level according to the temperature.

Room temperature is above 27°C - the unit lowers the humidity level to 50%, then activates the blower. The dehumidifier is reactivated when humidity rises to 60%.

## ● LAUNDRY

The unit automatically stops about the time the clothes dry. (There is no need to set the operating time according to the amount of washing)  
The unit operates up to 12 hours.

- ▨ The following conditions may stop the unit before the clothes are dry:  
Please start operations again.
  - When the tank is full. (Empty the water tank before operating the unit).
  - When used in conjunction with the OFF Timer mode (Do not use in conjunction with the OFF timer mode.)

### Information

▨ **The unit stops after one hour when the room temperature is below 5°C.**

When the temperature is low, the humidity level does not change much because the moisture from washing does not evaporate well. Use a heater to raise the room temperature to around 16°C.

### ▨ **The following conditions prevent clothes from drying well:**

Room temperature below 15°C, large volume of laundry; laundry not spaced well; clothes of thick fabric and spacious room.

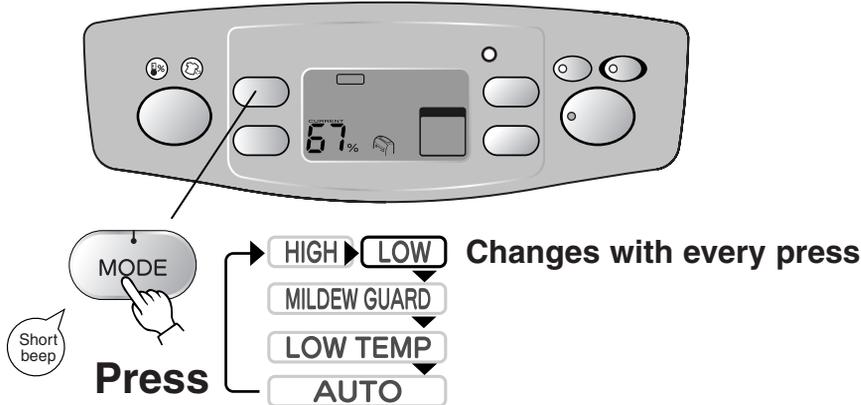
### Information

▨ Pressing HUMIDITY SELECTION switch while in EASY DEHUMIDIFYING or LAUNDRY modes changes the mode to AUTO.

# Setting modes

## HIGH, LOW, MILDEW GUARD and LOW TEMP

To leave the unit operating continuously, use HIGH and LOW modes. To suppress mildew, use MILDEW GUARD mode. For preventing condensation or when the room temperature is low, use LOW TEMP mode.



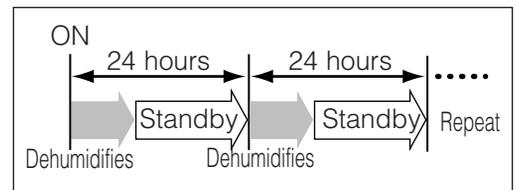
- Frame appears around selected mode
- The amount of dehumidification decreases with the temperature and humidity. <sup>10</sup>
- The humidity level cannot be set with HIGH, LOW, MILDEW GUARD, and LOW TEMP.

● **HIGH** The dehumidifier operates regardless of the humidity level. Airflow is strong.

● **LOW** The dehumidifier operates regardless of the humidity level. Airflow is weak.

● **MILDEW GUARD** The unit lowers humidity levels automatically once a day, suppressing mildew growth. Use the unit within the effective floor space for maximum benefits.

- Once every 24 hours the dehumidifier runs for 2 hours if the humidity is 40%, or 4 hours if at 50%. The unit operates intermittently, automatically turning on and off according to the humidity level of the room.
- The unit continues operation if the humidity level does not decrease.



### Information

- ▣ Refrain from turning on ventilation fans or opening windows or doors as this lowers performance.
- ▣ Mildew growth may still occur due to the fungus type and conditions of the room. E.g. Rooms that contain excessive condensation, bathrooms, and places with bad airflow (insides of closets and behind furniture).
- ▣ This mode does not remove existing mildew.
- ▣ Do not use in conjunction with OFF Timer mode. Effects may not be achieved.

● **LOW TEMP** The unit operates continuously automatically controlling airflow according to room temperature. The air flow is strongest below 15°C. The use of Low Temp mode is recommended when the Low temperature indicator is lit. <sup>9</sup>

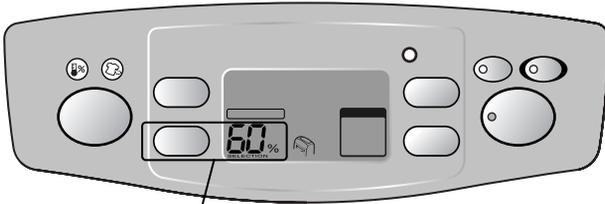
**Information** When the temperature is low, condensation may still form on windows exposed to the outside air even when LOW TEMP mode is operating

## How is mildew growth suppressed?

Mildew is unable to produce new spores if dried as mycelia. The Mildew Guard feature applies this principle. (However, the spores themselves are resilient to dry conditions.) "Identification of Aspergillus and Penicillium" <Research paper by Dr. K. Abe of the Environmental Biology Research Center>

## AUTO

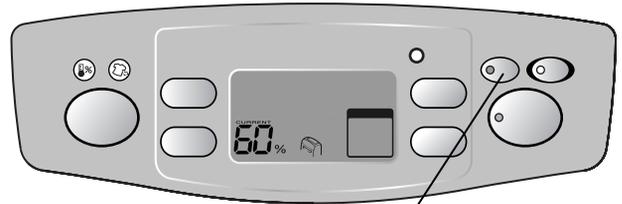
When you want to set the humidity level.



- Frame appears around selected mode
- The MODE button can be used to select AUTO.

## AIR PURIFIER

To operate only the air purifier.



- Air purifier lamp lights

To return to the previous mode, press the air purifier button again.

### • AUTO

The unit maintains the humidity level by automatically controlling airflow and operating intermittently as necessary. All you have to do is set the humidity level.

- The unit turns off when current humidity decreases past the set humidity level, and restarts when the level is exceeded.
- The unit operates for 6 minutes continuously regardless of the humidity level immediately after turning the power on.

**Information** Frequent use of exits and room size/conditions may cause the humidity to not reach the set level.

### <To view set humidity level/ To set humidity level>



**Press**



**Press again**

- Pressing the button once displays the set humidity level with the **SELECTION** indicator. After 3 seconds, the display returns to the current humidity display.



- Pressing HUMIDITY SELECTION while **SELECTION** is displayed sets the humidity level. Each time the button is pressed, the humidity setting changes.



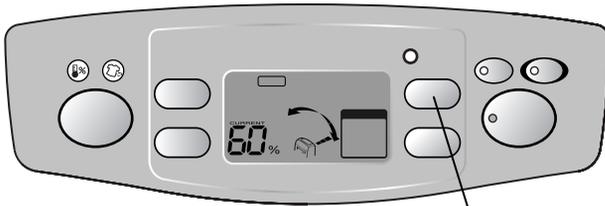
### • AIR PURIFIER

The unit cleans the air by passing it through the photocatalytic filter. The dehumidifying function is disabled.

- Information**
- The air passes through the photocatalytic filter in all modes, cleaning the air even if the air purifier lamp is not lit.
  - Cigarette smoke and toxins found in smoke, such as carbon monoxide, cannot be removed with this filter.

# Swing louvre function (how to read the Swing monitor)

The louvre can be made to swing. Select from the 5 possible settings to suit the purpose.



Short beep

SWING LOUVRE

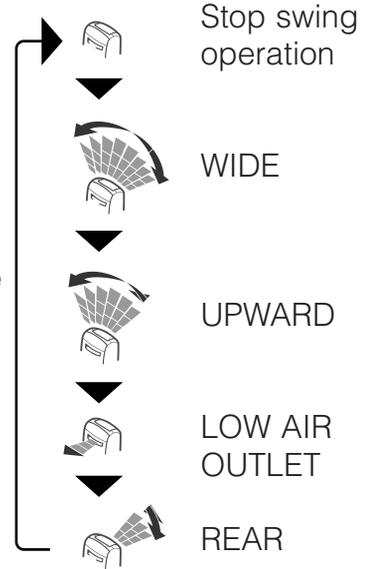
Press

- Starts swing operation.
- The swing monitor is displayed.

The swing operation stops when the power cord is unplugged.

This indicates the range of louvre swing. (The louvre and monitor do not move in synchronization.)

With each press of the button



Objective	Recommended swing setting	Explanations of the swing modes
To stop the louvre at the desired angle	<ul style="list-style-type: none"> <li>• <b>Stop swing operation</b></li> </ul>	The louvre stops in a vertical position. The swing monitor turns off. <b>To change the louvre to a desired angle, wait until the louvre stops, then adjust by hand.</b>
To cover the entire room.	<ul style="list-style-type: none"> <li>• <b>WIDE</b></li> </ul>	
For drying clothes, etc.	<ul style="list-style-type: none"> <li>• <b>UPWARD</b></li> </ul>	Swing speed is automatically controlled to send air to all corners of the room. <p>The louvre moves slowly through the last 30° of the swing, as the time taken to traverse the rear arc is shorter than that for the upward arc when moving at a constant speed.</p>
Convenient for drying carpets or beds.	<ul style="list-style-type: none"> <li>• <b>LOW AIR OUTLET</b></li> </ul>	<b>The swing function is not available. Adjust the angle manually (from three possible positions).</b> When using the low air outlet, do not close the louvre, as it needs to open slightly to make directional adjustments. <p>Move the louvre from the sides</p>
For directing air into a closet.	<ul style="list-style-type: none"> <li>• <b>REAR</b></li> </ul>	Depending on the angle of the louvre, some air may blow out of the low air outlet.

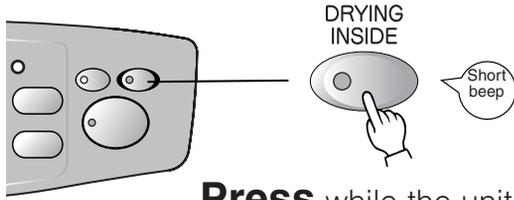
- Information**
- ▨ The level of noise emitted from the unit varies according to the angle of the air-flow.
  - ▨ The louvre may stop up to a maximum of 8 seconds to correct its position, after which it will start moving again.
  - ▨ If the louvre is knocked out of the desired angle, readjust by following the above steps.

# To dry the inside

The inside of the unit can be dried to suppress mildew growth on the cooler.

## Automatic operation

To activate internal drying after every use.



**Press** while the unit is on

- **Internal drying standby** (drying inside lamp lit)



### Internal drying starts when operation ends

When the unit is turned off, LAUNDRY mode ends, or the OFF timer ends.

- **Internal drying starts**  
The drying inside lamp flashes, the humidity indicator turns off, and the louvre stops in the vertical position.

Internal drying mode

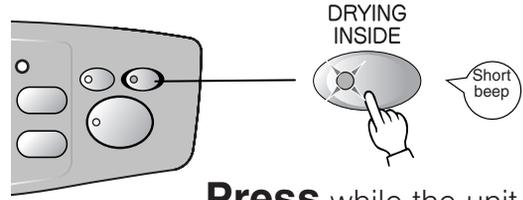
- **Internal drying ends**  
The drying inside lamp turns off and the louvres shut.

### <To deactivate automatic operation>

Press the DRYING INSIDE button while the unit is on (the drying inside lamp turns off)

## Manual operation

To activate internal drying by pressing a button.



**Press** while the unit is off

- **Internal drying starts**  
The drying inside lamp flashes, the humidity indicator turns off, and the louvre stops in the vertical position.

Internal drying mode

- **Internal drying ends**  
The drying inside lamp turns off and the louvres shut.

## To abort internal drying

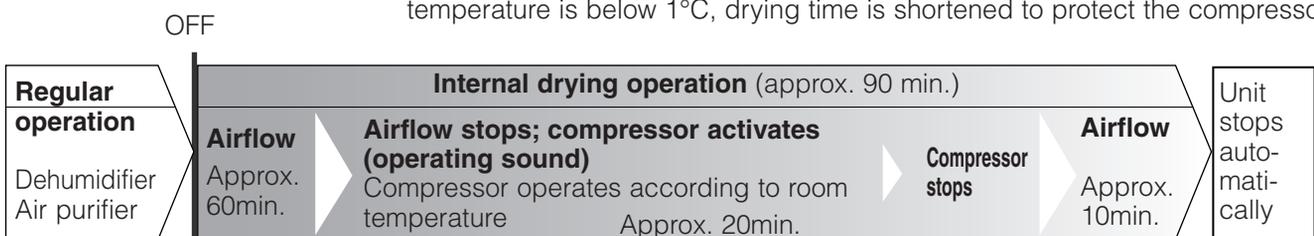
**Press the DRYING INSIDE button while the unit is performing internal drying (the drying inside lamp turns off)**

Press the power button to abort internal drying, and resume normal operation.

### Information

- Connecting/disconnecting the power plug deactivates automatic operation.
- This function does not remove existing mildew. Also, aborting internal drying may cause the benefits to diminish.
- Do not close the louvres while internal drying as this causes noise.
- The moisture expelled from inside the unit may cause the humidity level of the room to rise.
- The moisture expelled from inside the unit may smell due to odorants\* that were not caught by the filter dissolving in the water.
- \* The photocatalytic filter is mainly for absorbing ammonia.
- The OFF timer cannot be set during internal drying.

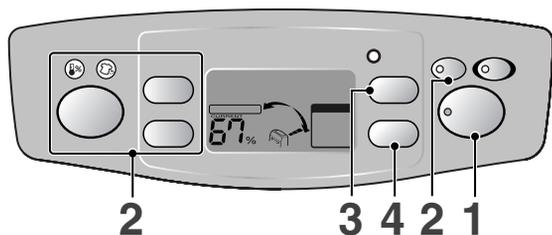
**<Internal drying operation>** This operation takes approximately 90 minutes. However, when the room temperature is below 1°C, drying time is shortened to protect the compressor.



# Using the Timer

## OFF timer operation

The OFF timer can be set for 1 to 9 hours. Set the timer when the power is switched on.

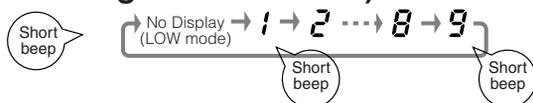


### To set

- 1 Switch the power on.
- 2 Select operating mode.   
Select desired operating mode.
- 3 Change the louvre swing direction.   
Select the desired setting.
- 4 Set the operating time.

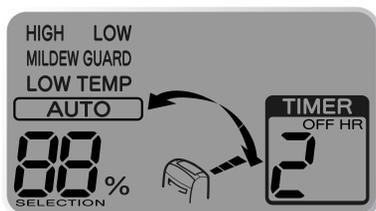


- When pressed once the figure [!] and [OFF] appear.
- Each subsequent press changes the display in order from 1 to 9 hours. (Hold the button to run automatically through the numbers.)



→ The OFF timer is set.

The following is an example of a display indicating AUTO dehumidifying (set to 60%), swing set to WIDE and the OFF timer set for 2 hours.



- The time remaining until the unit switches itself off is indicated in increments of one hour with a flashing numeral.
- When the set time is reached, the unit switches itself off and the louvre closes automatically.
- The internal drying mode starts if set.

### To cancel

<When you want to turn the unit off>

Press the POWER button. (Power off)



- The OFF Timer is cancelled.

<When you want to disable the Timer OFF mode, and continue operation>

Keep pressed until the remaining time display disappears. The unit returns to LOW mode.



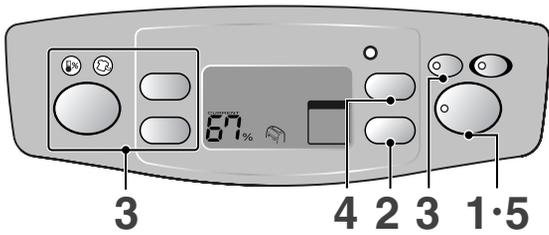
- The OFF Timer is cancelled.

#### Information

- Empty the water tank before operating. The unit stops and the Tank full lamp lights if the tank becomes full during operation.
- The OFF timer and ON timer cannot be set at the same time.
- Do not use timer OFF mode in conjunction with LAUNDRY or MIDEW GUARD.
- The OFF timer cannot be set during internal drying.

# ON timer operation

The ON timer can be set for 1 to 9 hours.  
Set the timer when the power is switched off.



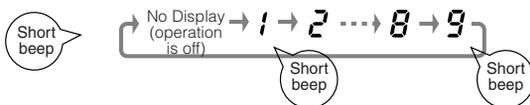
## To set

- 1 Switch the power off. 
- 2 Set the time you wish the unit to turn on.



**Press**

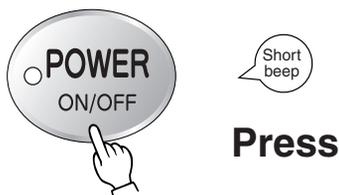
- Press once. The Power lamp, Mode indicator, and a [!] on the digital display flash. The [ON] indicator lights.
- Each subsequent press changes the display in order from 1 to 9 hours. (Hold the button to run automatically through the numbers.)



- 3 Select operating mode.    
Select desired operating mode.  
Set internal drying (auto) as desired. 

- 4 Change the louvre swing direction.   
Select the desired setting.

- 5 Confirm the operating start time.

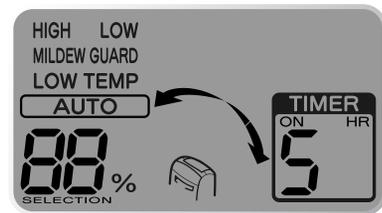


**Press**

- Power lamp and Time display light.  
→ The ON timer is set.

The unit informs you if you forget to press the Power button by making the Time display and Mode indicator blink and sounding an alarm for 1 minute.

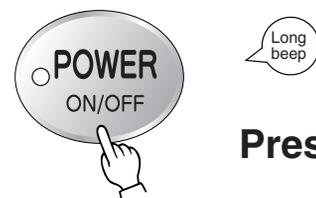
The following is an example of a display indicating AUTO dehumidifying (set to 60%), swing set to WIDE and the ON timer set for 5 hours.



- When it is time to replace the filter, please the replace it with a new one.
- ▼
- When the set time is reached, the unit switches itself on.

## To cancel

Press the Power button. (Power off)



**Press**

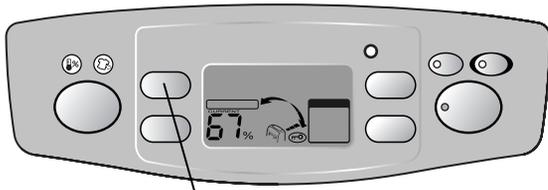
- The timer is cancelled.

### Information

- Internal drying is deactivated when the ON timer is set during internal drying operations.
- The ON timer function is not operable using a commercially-available timer plug outlet.

# Using the Child Lock

## To Lock



CHILD LOCK (3 SEC)

MODE

**Press** for 3 or more seconds.

- **The child lock indicator**

The child lock is switched off when the power cord is unplugged.

When the child lock is activated the unit cannot be switched off or on. The other switches are also inoperable until the child lock has been released.

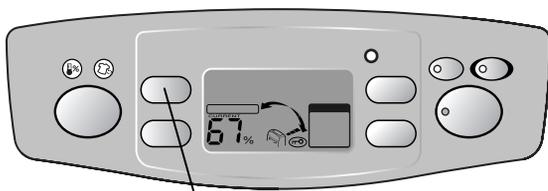
- **If you lock the unit when the POWER is OFF.**

The unit will not turn on, even if you press the POWER switch to turn it on. Only the CHILD LOCK lamp will blink. (Press the POWER button once again so that the lamp lights.)

- **If you lock the unit when the POWER switch is ON.**

The unit will not turn off, even if you press the POWER switch to turn it off. Only the CHILD LOCK lamp will blink. (Press the POWER button once again so that the lamp lights.)

## Releasing the child lock



CHILD LOCK (3 SEC)

MODE

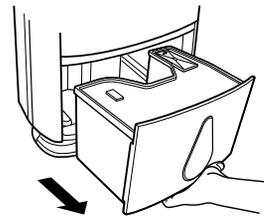
**Press** for 3 or more seconds.

- **The child lock lamp goes out.**

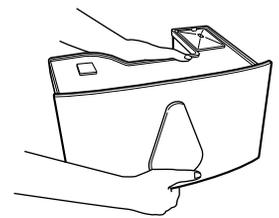
# Removing Water from the Tank

The unit automatically shuts down and lights the Tank full lamp when the tank (approximately 5L) is full.  Empty the tank.

## 1 Remove the water tank.

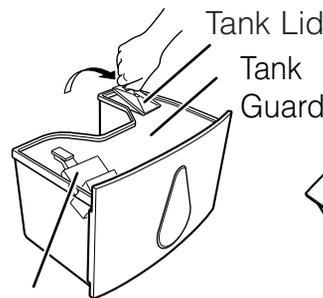


Grasp handle and slide out

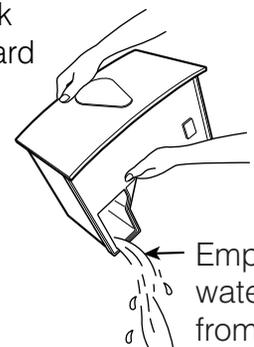


Hold the tank this way

## 2 Remove the tank lid, and empty.

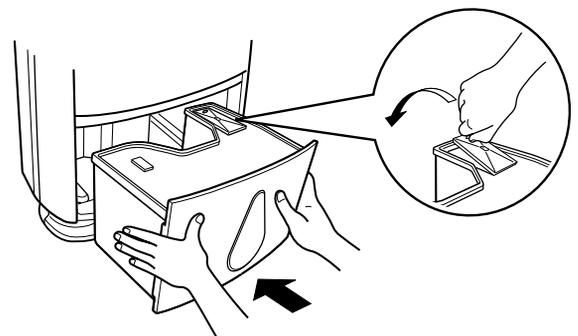


Float  
Do not remove



Empty water from here

## 3 Reattach the tank lid and replace the water tank.



Check that the lid and guard are secure. Slide the tank in with both hands (you should hear a beep).

- Secure the lid and guard properly or else the tank may become stuck.
- If the tank is not installed correctly, the tank full light will come on, and the unit will not operate.

### Note

Do not remove or dismantle the floating element in the tank. If it is removed, the unit cannot detect when the tank is full, and this could result in leakage.

# Continuous Drainage

If a drain is available, the unit can continuously drain excess water by attaching a commercially available hose (internal diameter 15mm).

The unit can be operated for extensive periods without the need to empty the water tank.



**CAUTION**



**Do not drain water continuously if there is a possibility that temperatures around the hose could drop below freezing point.**

Water inside the hose may freeze and water may leak from the unit and **damage surrounding objects.**



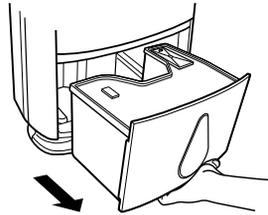
**When draining water continuously or left unattended for long periods, inspect the unit once a fortnight.**

Foreign objects, etc. could clog the hose **resulting in overheating and/or leakage.**

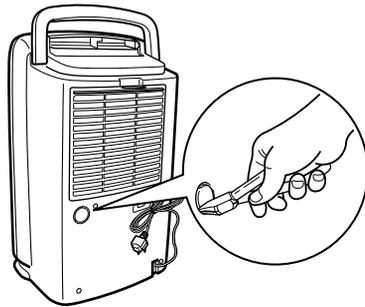
## Items to prepare

- **Commercially available hose (I.D. 15mm)**  
Long enough to reach the drain
- **Pincers**

### 1 Remove the water tank.

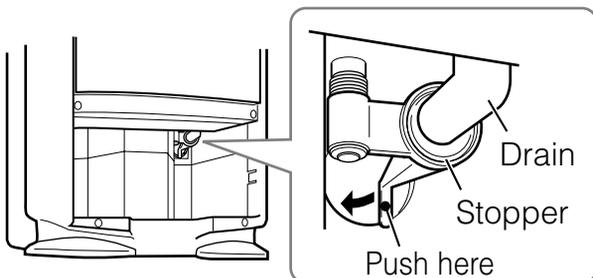


### 2 Open the drainage outlet.

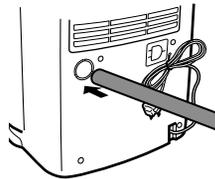


Use pincers to cut away the three securing ribs of the continuous drainage outlet. Remove carefully without letting any debris fall inside.

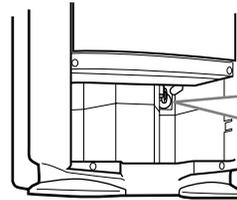
### 3 Press drain stopper.



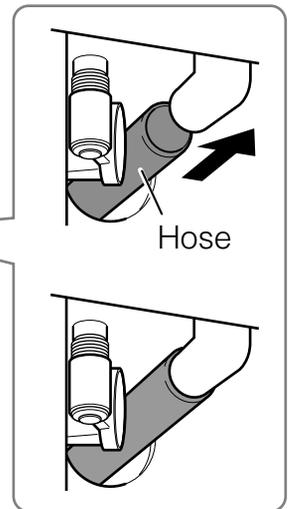
### 4 Insert the hose into the drainage outlet on the back.



Feed the commercially available hose (ID 15 mm) into the drainage outlet while keeping the stopper pressed



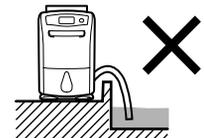
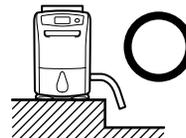
Confirm that the hose is securely attached and does not leak.



### 5 Attach the tank and set the end of the hose in the drain.

The unit cannot operate without returning the tank.

#### How to set up the drainage hose



Water cannot be drain if the hose is immersed in water or the hose is positioned higher than the drainage outlet.

**Note**

- Confirm that the hose does not show signs of deterioration such as bending, cracks and clogging.
  - Inspect the hose every 2 weeks.
- Insects or dirt blocking the hose may cause leakage resulting in malfunctions.

W

Operating

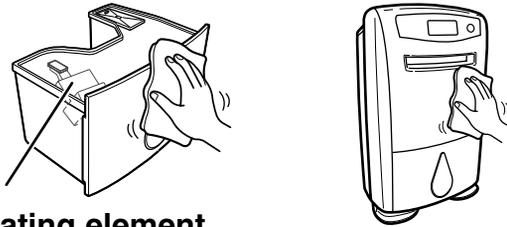
# Maintenance

Do not use detergents, cleaning agents for heat exchange equipment, abrasive powders, chemically treated dusters, gasoline, benzene, thinners or other solvents, as they can damage the unit or the water tank, which may result in leakage.

## Cleaning

### Water tank • Main unit

Wipe with a soft cloth.



#### Floating element

Do not remove or dismantle.

- The unit draws in dust present in the air, and this may cause the tank **to gradually become dirty**. If the dirt does not come off easily, wash with cold or warm water, then wipe with a soft, dry cloth.
- Mildew may form in the tank unless kept clean.

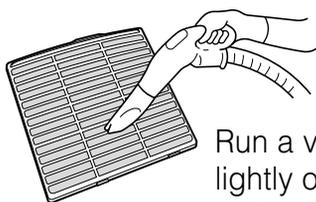
## Once every two weeks

### Pre-filter

Debris clogging the pre-filter reduces the effectiveness of the dehumidifier. Clean once every 2 weeks.

For maintenance procedures see p. 11

- 1 Remove the pre-filter.
- 2 Remove the photocatalytic filter.
- 3 Clean the pre-filter.



Remove grit with vacuum cleaner

Run a vacuum cleaner lightly over the pre-filter surface to remove the dirt.

- 4 Set the photocatalytic filter.
- 5 Attach the pre-filter.

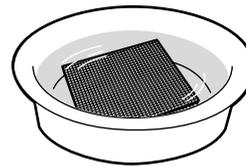
## Once every three months

### Photocatalytic filter

**Soaking the filter in water**, and leaving it to dry in the sun renews the performance and prolongs service life. Perform this every three months.

For maintenance procedures see p. 11

- 1 Remove the pre-filter.
- 2 Remove the photocatalytic filter.
- 3 Soak the photocatalytic filter in water.



Soak in cool to lukewarm water for 30 minutes.

**Do not use detergent or hot water. Also, do not brush or rub while soaking as this may damage the filter.**

- Stains may remain on the filter, but should not affect performance.
- The filter can be soaked for a total of eight times. After that, replace with a new filter.

- 4 Dry the photocatalytic filter.



Dry well in the sun (The performance of the filter renews with soaking, and the photocatalytic effect of the sunlight removes remaining odorants)

**Do not hang with pegs as this may damage the filter. Do not use the filter while wet.**

- 5 Set the photocatalytic filter.
- 6 Attach the pre-filter.

# Replacing the photocatalytic filter

## The photocatalytic filter is disposable.

When it is time to replace the filter, please replace it with a new one.

### When to replace it

Although photocatalytic filters last roughly 2 years, please replace it in the following cases:

- You have soaked the filter 8 times.
- The photocatalytic filter has turned brown due to cigarette smoke or black with dust.

# Replacing photocatalytic filter

For maintenance procedures see p.  11

- 1 Remove the pre-filter.
- 2 Replace the photocatalytic filter.
- 3 Attach the pre-filter.

### Parts sold separately

#### Photocatalytic filter for replacement

- ▨ Type: MJPR-18TXFT
- ▨ Type code: 5C5 816

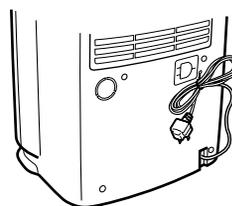
For these items contact your nearest Mitsubishi Electric dealer.

The service of the photocatalytic filter may vary depending on the operating environment and conditions.

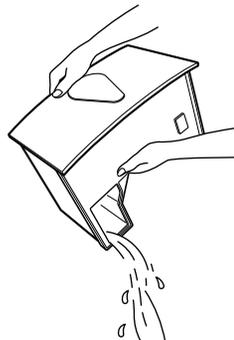
# Storage

After switching the unit off, leave for about one day until any water inside has had time to settle. Then carry out the following steps.

- 1 **Perform internal drying**  17  
Performing internal drying to prevent the growth of mildew is recommended.
- 2 **Hang on the cord hook.**

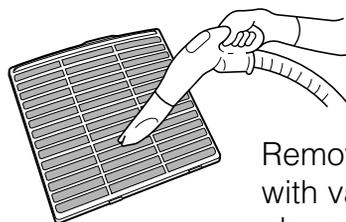


- 3 **Remove the drainage water.**  20



Empty the water tank and wipe away any remaining drops of water.

- 4 **Clean pre-filter.**  22



Remove grit with vacuum cleaner

- 5 **Store the unit.**
  - When you are sure that all parts of the unit are dry, cover it with a cloth to keep it from dust.
  - Store the unit in an upright position in a place with low humidity, not exposed to direct sunlight.

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Troubleshooting

# Troubleshooting

• For the symptoms listed below, refer to the remedies listed right.

Symptom	Cause/Remedy
The unit blows warm air	<ul style="list-style-type: none"> <li>Dehumidified air passes through heating coils causing it to warm (this unit is not a cooler). This is not a malfunction.  10</li> </ul>
Water does not collect in the water tank (minimal dehumidifying results)	<ul style="list-style-type: none"> <li>Check to see if the temperature/humidity is low. Low room temperature/humidity reduces dehumidifying effectiveness. Confirm the current humidity reading (in winter, the air is dry reducing dehumidifying effects to zero). This is not a malfunction.  10</li> </ul>
<p>The unit does not operate (no air comes out) The unit stops</p> <p>Stops after a short time</p> <p>Louvre does not swing</p> <p> FULL Lights</p> <p> Indicates</p>	<ul style="list-style-type: none"> <li>Check to see if the power cord is correctly plugged. → Plug the power cord properly into the power socket.  11</li> <li>Check to see if anything is blocking the air intake or outlet. → Remove the obstruction.  5</li> </ul>
	<ul style="list-style-type: none"> <li>Check to see if the pre-filter is clogged. → Clean according to the maintenance procedures.  22</li> </ul>
	<ul style="list-style-type: none"> <li>Is the unit operating in LAUNDRY mode? → The unit may stop after a short time depending on the room temperature/humidity in this mode.  13</li> </ul>
	<ul style="list-style-type: none"> <li>Check to see if the unit is in EASY DEHUMIDIFYING, MILDEW GUARD, or AUTO. The unit is automatically controlling the dehumidifier, fan, and standby times.  13-15</li> </ul>
	<ul style="list-style-type: none"> <li>Check to see if the water tank is full. → Empty the water tank and return it to its original position.  12-20</li> <li>Check to see if the water tank is inserted properly. → Adjust the position of the water tank.  11</li> </ul>
	<ul style="list-style-type: none"> <li>Check to see if the unit is in defrosting mode. The unit activates defrosting mode when the room temperature drops below 15°C. The dehumidifier and blower functions stop during defrosting.  9</li> </ul>
The unit continues to operate even though it is turned off	<ul style="list-style-type: none"> <li>Is the unit set to internal drying mode? This function activates automatically after ending operations.  17</li> </ul>
The humidity level does not reach the level set	<ul style="list-style-type: none"> <li>Check to see if the room is not too large. → Use within effective boundaries (floor space).  Back cover</li> <li>Check to see if the exits to the room are open. → Refrain from opening doors/windows during operation.</li> <li>Check to see if steam producing appliances such as kerosene heaters are on in the vicinity.</li> </ul>
The hygrometer reading on the unit differs from other hygrometers in the room	<ul style="list-style-type: none"> <li>Hygrometer readings differ from place to place even if in the same room. Use the unit humidity reading as an estimate.  10</li> </ul>
The louvre does not move as set	<ul style="list-style-type: none"> <li>Press the Swing louvre switch again.  16</li> </ul>
The water tank contains liquid or white water residue	<ul style="list-style-type: none"> <li>The residue is from final product testing at the factory. It is not a result of a malfunction.</li> </ul>
There is black residue on the inside of the water tank and lid.	<ul style="list-style-type: none"> <li>The residue is from debris in the air. → Clean according to the maintenance procedures.  22</li> </ul>

Symptom		Cause/Remedy
The unit makes noises	The operating noise is loud/reverberates	<ul style="list-style-type: none"> <li>Check to see if the unit is on a slope or uneven surface. → Move to a sturdy even surface. </li> <li>Check to see if the pre-filter is clogged. → Clean according to the maintenance procedures </li> <li>Operating the unit in small rooms or in tight spaces sometimes causes the sound to reverberate. → Place a mat underneath the unit. </li> </ul>
	The operating sound suddenly increases in volume	<ul style="list-style-type: none"> <li>The sound increases when the compressor activates (3 minutes after turning on the unit or during Easy dehumidifier and Automatic modes).</li> </ul>
	The wind sound changes in volume	<ul style="list-style-type: none"> <li>The volume of the sound differs depending on the angle of the louvre. </li> </ul>
	The unit produces a simmering sound	<ul style="list-style-type: none"> <li>This is the sound of the refrigerant. The sound can be heard while the refrigerant stabilizes after the unit turns on, changes modes, or stops.</li> </ul>
The unit produces an odour	The unit buzzes intermittently (or the compressor does not activate)	<ul style="list-style-type: none"> <li>This is the sound of the compressor. In modes that monitor the humidity level, the compressor operates intermittently causing the sound to be heard occasionally. The compressor does not activate after turning the unit off, or for 3 minutes after plugging the unit into a power socket. (This is to protect the compressor from damage.) </li> </ul>
	When first used	<ul style="list-style-type: none"> <li>The heat converter heats rapidly causing an odour. This is not a malfunction.</li> </ul>
	During internal drying	<ul style="list-style-type: none"> <li>The moisture expelled from inside the unit may smell due to odorants* that were not caught by the filter dissolving in the water. This is not a malfunction.</li> </ul>

● Error message (Humidity indicator)

Digital display	Cause/Remedy
<i>A2 A3</i> appears	<ul style="list-style-type: none"> <li>Check to see if the power cord is plugged into the power socket properly. → Plug the power cord into the power socket properly. </li> </ul>
<i>P4</i> appears	<ul style="list-style-type: none"> <li>Check to see if anything is blocking the air outlet. → Remove the obstruction, and plug the power cord into the power socket again. </li> <li>Check to see if the pre-filter is clogged. → Clean according to the maintenance procedures. </li> </ul>
<i>A1 A6 E0-E8</i> appears	<ul style="list-style-type: none"> <li><b>Malfunction</b> → <b>Unplug the power cord, take note of the error message, and contact the place of purchase.</b></li> </ul>

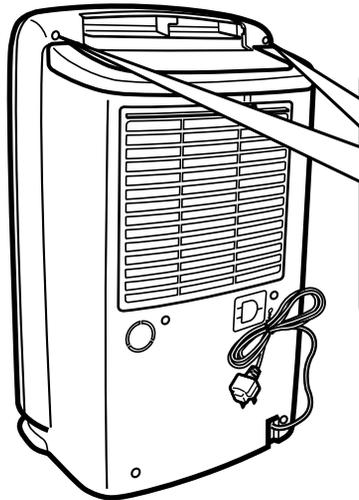
If the symptoms persist even after following the prescribed remedies, or the error message does not disappear, unplug the power cord, and contact the place of purchase.



# Specifications

<b>Model</b>	<b>MJ-E20TX-H</b>
<b>Power supply</b>	<b>Single phase 220-240V 50Hz</b>
<b>Dehumidifying capacity</b>	<b>20 L/day</b>
<b>Power consumption</b>	<b>380W</b>
<b>Water tank capacity</b>	<b>stops automatically at approx. 5.0L</b>
<b>Weight</b>	<b>14.2kg</b>
<b>Dimensions (h × w × d)</b>	<b>594mm × 372mm × 281mm</b>

- The dehumidifying capacity is a value obtained when the dehumidifier is continuously run at a room temperature of 30°C and relative humidity of 80%. It indicates the amount of dehumidification per day (24 hours).
- Standby power approximately 2W.



## NOTE

It is impossible to remove the back panel because the two spots shown are fastened with two special screws. If the unit malfunctions, contact your Mitsubishi dealer:

HEAD OFFICE: MITSUBISHI DENKI BLDG., MARUNOUCHI, TOKYO 100-8310 TELEX: J24532 CABLE: MELCO TOKYO

Sole Agent in Hong Kong  
 Ryoden Merchandising Co., Ltd.  
 Head Office: Tel.: 2510 0777 Service Center: Tel.: 2427 8484

**Fill in the following for your future reference.**

<b>Place of purchase:</b>	<b>Telephone number:</b>		
<b>Date of purchase:</b>	<b>Day</b>	<b>Month</b>	<b>Year</b>